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MONTANA OIL AND GAS STATISTICAL BULLETIN

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Vol. XXVII, No. 7 — July, 1978

PRODUCTION STATUS

Production of crude oil and condensate from the oil and gas areas of Montana for the month of July, 1978 averaged 83,779 barrels daily, a decrease of 441 barrels from the average 84,220 production in June.

The six refineries in the state processed 132,484 barrels of crude oil daily for the month of July, a decrease of 8,676 barrels from the 141,160 barrels produced daily during the month of June.

During July, 40 wells were completed, 8 oil, 13 gas, and 19 dry holes.

During July, the board issued 86 permits to drill new wells, a decrease of 28 from the 114 permits issued during June.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF JULY, 1978

IN STORAGE: July 1st	
By Producers	370,202
By Transporters	1,578,927
By Refiners	1,488,928
TOTAL STORAGE	3,438,057
Produced in Mont. During Month	2,597,772
Imported During Month	3,279,174
TOTAL	9,315,003
DISPOSITION	
Refined in Montana	4,111,006
Exported	1,876,472
Used for Fuel or Lost	8,016
TOTAL	5,995,494
IN STORAGE: July 31st	
By Producers	379,560
By Transporters	1,455,024
By Refiners	1,484,925
TOTAL STORAGE	3,319,509

REFINERS MONTHLY REPORT JULY, 1978

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	206,078	261,959	—	254,306	785,266	1,328,830	178,779
Exxon Company	357,617	21,819	—	600,055	415,796	1,090,156	305,131
Farmers Union	888,918	107,371	3,366	457,382	753,604	1,230,863	979,778
Kenco Refining	—	82,856	—	—	—	82,856	—
Phillips Petroleum	7,975	187,132	—	—	9,399	196,641	7,865
Wesco Refining Co.	28,340	166,692	—	—	—	181,660	13,372
Totals	1,488,928	827,829	3,366	1,311,743	1,964,065	4,111,006	1,484,925

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1977	24,632	549	50,405	57,615	133,201	18.49%	.41%	37.84%	43.26%
July, 1977	25,774	604	60,456	54,972	141,806	18.18%	.43%	42.63%	38.76%
July, 1978	26,704	109	42,314	63,357	132,484	20.16%	.08%	31.94%	47.82%

PRODUCERS' REPORT—MONTH OF JULY, 1978

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
4	Arch Apex	5	894	3,489	3,023	—	1,360
2	Ash Creek	3	490	849	935	—	404
1	Bainville	1	3,159	1,189	932	—	3,416
1	Bainville West	1	426	1,245	1,290	—	381
5	Bannatyne	10	481	682	658	—	505
4	Bears Den	5	1,567	750	665	—	1,652
15	Bell Creek	164	13,514	574,923	575,810	1,722	10,905
1	Benrud	2	204	62	23	—	243
3	Benrud East	3	1,117	9,464	8,494	—	2,087
1	Benrud Northeast	1	821	1,067	943	—	945
1	Berthelote	1	227	141	212	—	156
3	Big Gully	3	1,268	2,526	3,323	7	464
2	Big Muddy Creek	2	1,326	3,943	4,418	—	851
5	Big Wall	15	1,120	7,289	7,654	—	755
1	Blackfoot	6	540	1,498	1,601	—	437
1	Blue Hill	1	1,135	2,493	2,830	—	798
6	Border	10	1,054	1,540	1,445	85	1,064
1	Boulder	1	941	588	—	—	1,529
1	Bowes	57	5,147	11,131	12,561	—	3,717
1	Bradley	1	395	517	644	—	268
1	Brady	1	—	233	233	—	—
2	Breed Creek	5	968	12,151	12,306	—	813
5	Brorson-Madison	5	2,218	2,857	2,135	—	2,940
4	Brorson-Red River	4	4,775	3,074	2,873	—	4,976
5	Brorson-Red River S.	5	2,129	7,792	8,167	—	1,754
4	Broson, South East	4	1,077	2,799	2,577	—	1,299
4	Brush Lake	4	974	6,142	5,935	—	1,181
1	Burns Creek	1	365	758	671	—	452
2	Cabin Creek	85	—	125,356	125,356	—	—
2	Canal	2	1,522	3,232	3,798	—	956
10	Cat Creek	58	2,502	7,766	7,947	25	2,296
2	Charlie Creek	2	1,511	12,690	12,812	—	1,389
—	Clark's Fork	—	37	—	—	—	37
—	Clark's Fork North	—	836	—	—	—	836
1	Clark's Fork South	1	994	27	—	—	1,021
3	Clear Lake	3	794	12,426	11,753	—	1,467
1	Conrad South	1	90	217	217	—	90
1	Cow Creek	1	247	364	259	—	352
12	Cow Creek East	11	4,032	17,656	16,838	—	4,850
2	Culbertson	2	1,471	11,800	11,502	—	1,769
7	Cupton	10	4,918	6,843	7,973	—	3,788
91	Cut Bank	818	34,110	137,698	137,279	28	34,501
1	Dagmar	2	768	4,335	4,061	—	1,042
1	Dean Dome	1	42	628	—	—	670
1	Deer Creek	1	242	521	465	—	298
1	Delphia	1	120	453	387	—	186
1	Devils Basin	1	294	407	407	—	294
6	Dry Creek	6	1,118	1,859	2,188	132	657
2	Dwyer	10	4,092	12,936	14,565	—	2,463
3	Elk Basin	54	470	78,013	78,017	—	466
2	Elk Basin Northwest	5	1,500	1,079	755	—	1,824
5	Fairview	9	7,826	25,936	24,071	—	9,691
2	Fertile Prairie	2	239	577	577	—	239
4	Flat Coulee	21	1,714	11,605	12,117	—	1,202
7	Flat Lake	49	2,146	47,817	47,664	—	2,299
4	Flat Lake South	4	1,161	3,293	3,091	—	1,363
1	Fort Gilbert	2	641	2,904	2,845	—	700
1	Four Mile Creek	1	699	4,947	5,018	—	628
1	Four Mile Creek West	1	331	1,295	806	—	820
1	Frannie	1	—	682	682	—	—
11	Fred & George Creek	33	5,700	35,401	34,790	—	6,311
1	Froid South	1	755	586	610	—	731
1	Gage	1	32	179	176	—	35
3	Gas City	10	4,433	7,358	4,577	—	7,214
—	Girard	—	1,275	—	—	—	1,275
11	Glendive	14	1,649	17,844	16,746	—	2,747
1	Golden Dome	1	74	336	44	—	366
13	Goose Lake	19	3,826	16,343	17,016	29	3,124
11	Graben Coulee	35	3,483	3,217	2,907	112	3,681
1	Grandview East	1	185	241	211	—	215
3	Gumbo Ridge	5	4,387	4,391	7,714	—	1,064
3	Gypsy Basin	6	884	1,657	888	875	778
1	Hay Creek-Mission	1	544	810	804	—	550
2	Hay Creek-Red River	2	2,047	3,273	2,931	11	2,378
4	Hiawatha	4	1,932	4,423	4,400	—	1,955
1	Hibbard	1	619	30	—	—	649
8	High Five	15	3,509	30,319	29,125	5	4,698
1	Highview	1	252	11	201	—	62
1	Horse Creek	1	608	16	—	—	624
3	Howard Coulee	3	1,731	3,440	3,050	—	2,121
4	Ivanhoe	10	1,135	2,653	2,916	—	872
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	2	3,105	22,314	22,509	—	2,910
6	Keg Coulee	18	5,277	7,875	9,873	264	3,015
4	Keg Coulee North	4	1,117	1,881	1,726	30	1,242
1	Kelley	3	473	2,081	1,829	—	725
109	Kevin Sunburst	540	15,452	29,830	29,038	7	16,237
1	Laird Creek	10	851	2,385	2,669	—	567
—	Landslide Butte	—	221	—	—	—	221
5	Leary	5	1,710	3,347	3,104	35	1,918
2	Little Beaver	23	148	34,582	34,582	—	148
3	Little Beaver East	10	2,724	11,492	11,342	—	2,874
15	Little Wall Creek	16	4,785	20,929	21,439	256	4,019
1	Lodge Grass	1	489	704	674	—	519
1	Lone Butte	1	715	3,131	3,225	—	621
7	Lonetree Creek	7	2,873	11,272	10,243	—	3,902
1	Long Creek	1	390	542	744	—	188
2	Long Creek West	2	1,222	7,371	7,466	—	1,127
3	Lookout Butte (Coral Creek)	30	760	53,607	53,702	—	665

PRODUCERS' REPORT—MONTH OF JULY, 1978—(Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
3	Mason Lake	3	441	1,184	1,016	—	609
1	McCabe	1	719	1,846	1,905	—	660
5	Melstone	9	1,441	13,089	12,447	—	2,083
1	Mineral Bench	1	156	406	406	—	156
2	Miners Coulee	2	309	343	257	—	395
15	Mon Dak West	15	15,903	75,723	74,971	—	16,655
10	Monarch	15	3,374	9,881	9,524	—	3,731
2	Mosser	6	—	386	386	—	—
1	Nohly	2	721	5,059	4,616	—	1,164
1	North Fork	2	949	4,879	4,501	—	1,327
4	Otis Creek	4	3,588	6,044	6,331	—	3,301
5	Outlook	6	1,603	12,457	12,630	—	1,430
1	Outlook South	1	994	15	774	—	235
2	Outlook West	2	1,160	1,631	1900	—	891
1	Oxbow	1	1,149	3,804	3,997	—	956
1	Pennel	114	900	251,427	251,303	—	1,024
1	Phantom	1	287	765	443	—	609
4	Pine	99	13,410	192,939	192,656	—	13,693
60	Pondera	282	6,324	23,796	24,099	—	6,021
6	Poplar	62	6,577	35,639	34,311	—	7,905
11	Poplar Northwest	16	2,959	13,982	13,452	—	3,489
1	Prairie Elk	1	1,017	590	891	—	716
1	Prichard Creek	4	337	610	628	—	319
1	Putnam	2	866	1,845	2,394	—	317
4	Putnam East	4	1,999	8,657	8,553	—	2,103
3	Rabbit Hills	3	2,108	3,434	3,519	—	2,023
10	Ragged Point	23	3,302	4,588	3,728	—	4,162
2	Rattler Butte	2	345	2,727	2,547	—	525
2	Rattlesnake Coulee	2	695	240	203	—	732
2	Raymond	5	1,776	17,134	16,869	—	2,041
—	Raymond Northeast	—	237	—	—	—	237
3	Reagon	48	1,037	17,057	17,391	—	703
1	Red Creek	18	—	7,274	7,274	—	—
1	Red Fox	1	206	193	—	—	399
1	Redstone	1	239	303	365	—	177
1	Repeat	1	374	1,063	993	—	444
4	Reserve	4	2,967	2,787	1,147	—	4,607
2	Richey	3	298	1,125	909	—	514
1	Richey Southwest	4	543	686	776	—	453
2	RipRap Coulee	2	1,265	1,704	1,981	—	988
4	Rosebud	4	1,876	2,148	1,940	—	2,084
1	Rush Mountain	1	412	1,785	1,561	—	636
2	Salt Lake	3	540	1,781	1,872	—	449
2	Sand Creek	4	402	2,588	2,588	—	402
4	Second Creek	4	1,671	12,663	12,906	—	1,428
2	Sheepherder	3	763	494	426	54	777
1	Shotgun Creek, North	1	269	5,144	5,068	—	345
7	Sidney	7	1,937	16,780	14,805	—	3,912
7	Sioux Pass	7	5,282	20,304	20,837	—	4,749
1	Sioux Pass, East	1	419	1,289	1,384	—	324
2	Sioux Pass, Middle	2	1,189	8,971	8,448	—	1,712
3	Sioux Pass, North	3	3,909	3,114	1,691	—	5,332
1	Snyder	2	650	312	388	—	574
8	Soap Creek	22	2,244	3,820	4,406	—	1,658
3	South Fork	3	2,005	16,410	15,185	—	3,230
1	Spring Lake	2	1,067	1,761	1,579	—	1,249
1	Stensvad	3	438	627	—	—	1,065
28	Sumatra	100	10,096	127,343	128,333	83	9,023
2	Sunnyhill	2	645	2,935	3,120	—	460
1	Tippy Buttes	1	240	1,387	1,392	—	235
5	Tule Creek	5	2,991	10,532	10,497	—	3,026
1	Tule Creek East	1	1,177	1,180	1,770	—	587
2	Tule Creek South	3	854	806	683	—	977
8	Utopia	9	862	4,125	3,973	—	1,014
9	Vaux	9	6,357	14,869	12,438	—	8,788
2	Vida	2	183	386	457	—	112
5	Volt	6	3,648	7,549	8,595	—	2,602
1	Wagon Box	1	183	128	—	—	311
1	Weed Creek	1	330	509	596	—	243
2	Weldon	2	1,736	1,053	887	—	1,952
1	West Butte	1	279	551	621	—	209
29	Whitlash	66	13,719	14,275	13,841	—	14,153
—	Whitlash West	—	284	—	—	—	284
2	Willow Creek North	2	538	605	769	—	374
1	Willow Ridge	2	—	417	417	—	—
2	Wills Creek South	2	—	1,715	1,715	—	—
3	Winnett Junction	6	548	8,927	8,829	—	646
2	Wolf Springs	2	1,471	746	1,236	—	981
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	405	1,225	1,068	—	562
2	Wright Creek	3	833	994	1,261	—	566
2	Wildcat, Big Horn County	2	865	2,345	2,325	—	885
—	Wildcat, McCone County	—	52	—	—	—	52
1	Wildcat, Musselshell County	1	252	118	—	—	370
7	Wildcat, Richland County	7	4,859	13,551	13,273	—	5,137
1	Wildcat, Roosevelt County	1	492	864	1,268	—	88
1	Wildcat, Sheridan County	1	600	5,304	5,519	—	385
1	Wildcat, Toole County	1	266	293	163	—	396
2	Wildcat, Wibaux County	2	783	3,312	3,352	—	743
865	TOTAL	3,410	370,202	2,597,772	2,584,654	3,760	379,560

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF JULY, 1978

Field NATURAL:	MC. Ft.
Alma	1,007
Bear's Den	—
Big Coulee	66,771
Big Rock	85,793
Black Coulee	4,908
Blackjack	26,431
Bowdoin	529,726
Bowes	650
Brown's Coulee	5,650
Bullwacker & Area	82,467
Canadian Coulee	65,175
Cedar Creek	129,835
Chip Creek	2,759
Clark's Fork, North	—
Coal Coulee	4,261
Cut Bank	185,138
Dry Creek	90,929
Dry Creek, Middle	1,762
Dunkirk North	—
East Chinook	4,627
Flat Coulee	296
Fresno	75,207
Gold Butte	—
Grandview	—
Gypsy Basin	26,905
Hardin	1,783
Haystack Butte	16,104
Highview	42,565
Keith Block	66,541
Kevin Sunburst	1,732
Kevin Sunburst Nisku & Area	15,092
Kicking Horse	18,468
Kinyon Coulee Area	6,531
Lake Basin	13,518
Ledger	10,433
Leroy	89,910
Liscom Creek	16,415
Lohman	2,926
Middle Butte	456
Miners Coulee	1,546
Mt. Lilly	—
Plevna	3,967
Prairie Dell	49,086
Pumpkin Creek	20,734
Rapelje	16,215
Rocky Boy Area	11,451
Rudyard	15,500
Sage Creek	—
Sawtooth Mountain & Area	91,285
Sherard	80,270
Strawberry Creek Area	4,739
Snoose Coulee	14,315
South Devon	10,000
South Shelby	34,923
Swanson Creek	4,591
Tiger Ridge	1,169,850
Trail Creek	—
Utopia	—
West Butte	—
Whitlash	16,325
Willow Ridge	7,905
TOTAL NATURAL GAS	3,245,473

Field ASSOCIATED:	MC.Ft.
Bell Creek	36,029
Big Muddy Creek	—
Blue Hill	2,532
Clark's Fork South	2,656
Coral Creek	3,260
Elk Basin	5,481
Fairview	45,874
Four Mile Creek	4,535
Four Mile Creek, West	939
Glendive	125
Mon Dak West	28,025
Otis Creek	3,985
Pennel	6,100
Richland	46,355
Sioux Pass	9,587
Sioux Pass, East	1,344
Sioux Pass, Middle	7,191
Sioux Pass, North	1,325
Sumatra	9,882
Tule Creek	4,600
TOTAL ASSOCIATED GAS	219,825
TOTAL WITHDRAWALS	3,465,298

Total withdrawals for July, 1977, were 3,455,800 MCF.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1977	32,680,054	89,534	32,202,122	88,225
1st Quarter, 1978	7,228,897	80,321	7,188,700	79,874
2nd Quarter, 1978	7,661,483	84,192	7,659,476	84,170
July, 1978	2,597,772	83,799	2,584,652	83,376

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December, 1977	351,530	1,438,975	1,421,444	3,211,949
March, 1978	382,596	1,470,247	1,432,055	3,284,898
June, 1978	370,202	1,578,927	1,488,928	3,438,057
July, 1978	379,560	1,455,024	1,484,925	3,319,509